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(54) AGRICULTURAL AND HORTICULTURAL INSECTICIDAL COMPOSITION

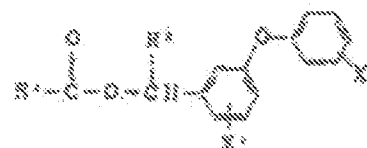
(57)Abstract:

PURPOSE: To obtain an agricultural and horticultural insecticidal composition showing improved cooperative and synergistic effects at low concentration, by combining a specific imino-substituted heterocyclic compound with at least one compound selected from specific carboxylic acid esters.

CONSTITUTION: An agricultural and horticultural insecticidal consisting of an imino-substituted heterocyclic compound [e.g. 1-(3-pyridylmethyl)-2-(nitroimino)imidazolidine, etc.] shown by formula I [X is S, CH₂ or N-R₂ (R₂ is H or alkylcarbonyl; R₁ is pyridyl or thiazolyl; m is 2 or 3; Z is NO₂ or CN)] and a carboxylic acid ester [e.g. α-cyano-3-benzyloxy-4-fluorobenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate, etc.] shown by formula II (R₁ is lower alkyl or cyclopropyl; X₁ and X₂ are H or halogen).



I



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